a real-time investment tool

.com

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Quick tour.

Frequently asked questions.

Glossary of terms.

Terms of Use.

Customer Support Information.

Login

Name   jricci

Password ******

Monitor Resolution

Options

Login

FIG. 1

Bullrun

Bullrun is an on-line stock recommendation system. It runs in four timescales, producing price patterns on a 1 hour, 1 day, 1 month and 1 quarter perspective.

[v1.0 has a 15 minute, 15 hour, 15 day, 15 week timescale.]

It provides a continuous scoring of stocks according to price pattern, macroeconomic variable, and combined strategies. [v1.0 will only include price pattern strategy.] Future versions will incorporate strategies relating to earnings estimates and valuation metrics. The product allows users to drill down to find the current score of stocks in any country, industry, price pattern group or combination of categories.

Users create and modify their portfolios based upon the evolving stock scores. The system will issue buy and sell signals on stocks generated by the various strategies. Clients can analyze the past performance of the trading strategies for the entire universe of stocks in the Bullrun system.

The system also tracks clients' performance and trade requests.

FIG. 2

Screen Layout

Search Box

Sector / Industry Panel

Stock List Box

Navigation Bar

Region/Country Panel

News

Price Pattern Panel

Timescale Box

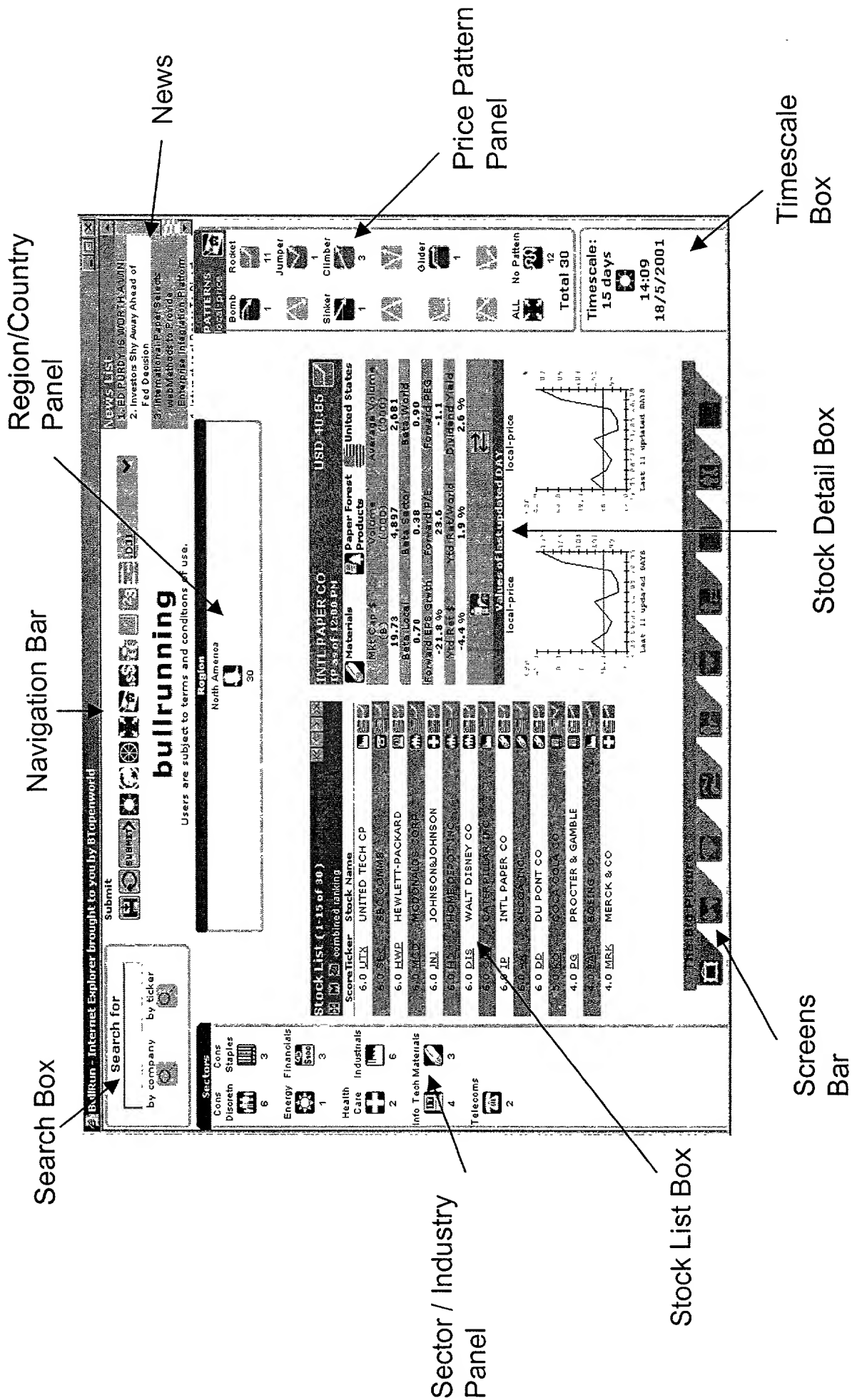Screens Bar

Stock Detail Box

FIG. 3

Navigation Bar

Allows user to modify icon settings

[v1.0 has a 15 minutes, 15 hour, 15 day, 15 week timescale. Analyst Rating does not currently have any data.]

Resets Icons to Top Level

Load & Save
Portfolio and Icon
Settings

Submit:
Performs the
Selection.

Also
refreshes
screen data.

Timescale:
• 1 Hour
• 1 Day
• 1 Month
• 1 Quarter

Region/Country

Sector/Industry • Price/Selected-Index

Pattern Type:
• Local-Price
• Dollar-Price
• Price/Country-Index
• Price/World-Index

Pattern

Market Caps

Earnings Growth

Weighting

Dividend Yield

Analyst Rating

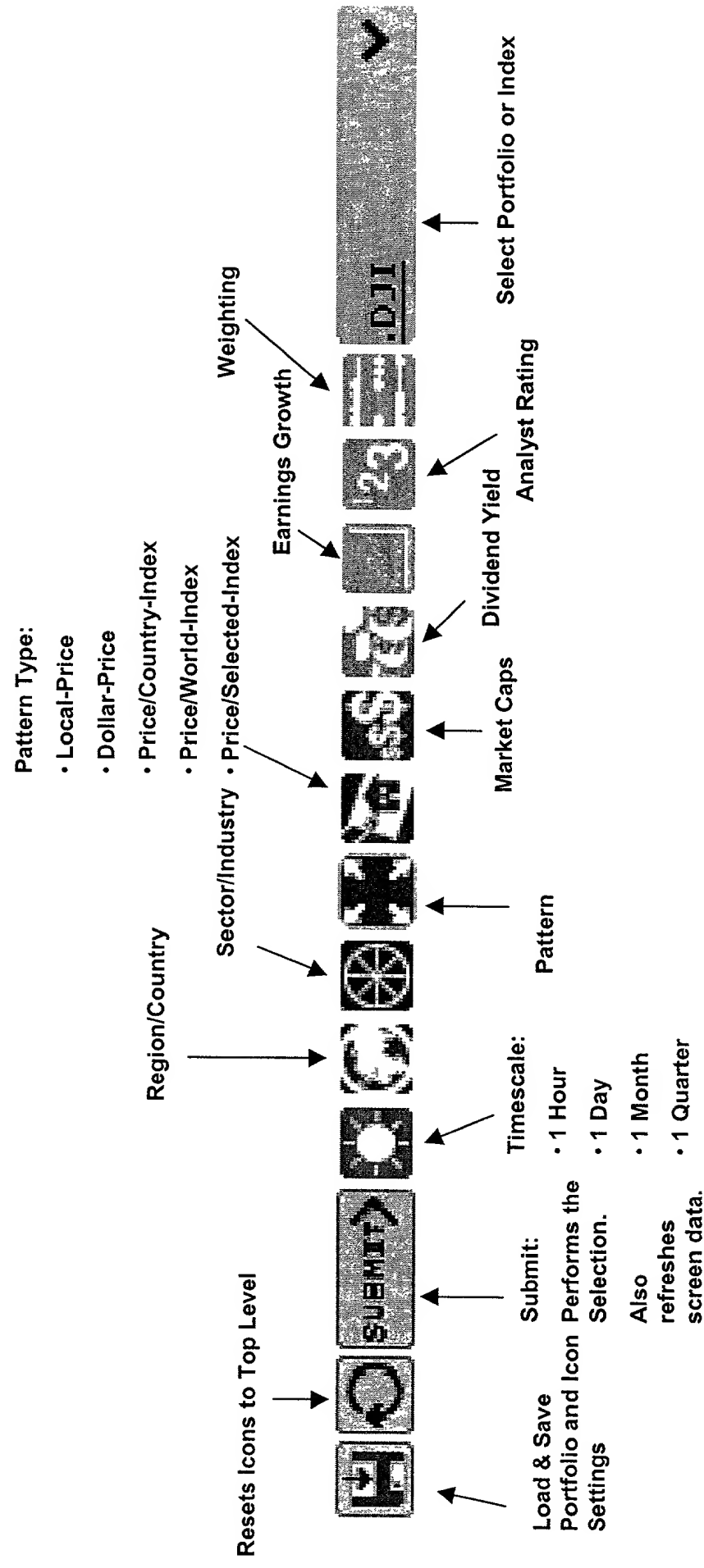Select Portfolio or Index

DJI

FIG. 4

Navigation Bar

Behaviour

- Modifying any of the following icons requires the user to hit SUBMIT before a change is made to the user's screen:

  Timescale, Region/Country, Sector/Industry, Pattern, Pattern Type, Market Caps, Dividend Yield, Earnings Growth, Analyst Rating, Weight

- Any modification to one of the above icons away from the default settings will be highlighted on the Navigation Bar with a black underline.

- A modification to any of the 3 panels (Region, Sector, Pattern) will automatically modify the Navigation Bar and apply SUBMIT.

FIG. 5

Navigation Bar - Load & Save, Reset, Submit

Load & Save Portfolio and Icon Settings

- Allows user to save and load modifications to the icon settings as well as a particular selected portfolio or index screen view.

Reset Icons to Top Level

Resets all icon settings to the default:

- •Timescale = 1 month
- • Region = Global
- • Sector = All
- • Pattern = All
- • Pattern Type = Local Price
- • Caps = All
- • Dividend Yield = All
- • Earnings = All
- • Rating = All
- •Weightings = Number of Stocks

SUBMIT

- Performs the selection of modifying an icon setting.

- Refreshes screen data.

FIG. 6

Navigation Bar Selections - Timescale, Region/Country, Sector/Industry
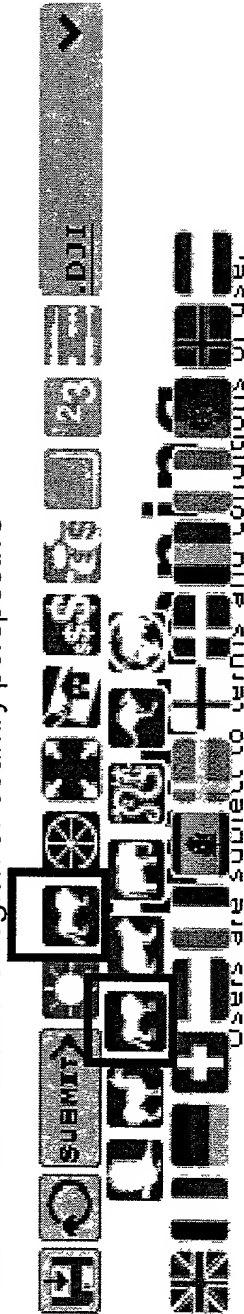
Timescale: 1 month
Allows user to view price pattern behavior
from a 1 hour, 1 day, 1 month or 1 quarter perspective
[v1.0 has a 15 minute, 15 hour, 15 day, 15 week timescale.]

Region: Europe
Allows user to select a region or country perspective

Sector: Industrials
Allows user to select a sector or industry perspective

FIG. 7
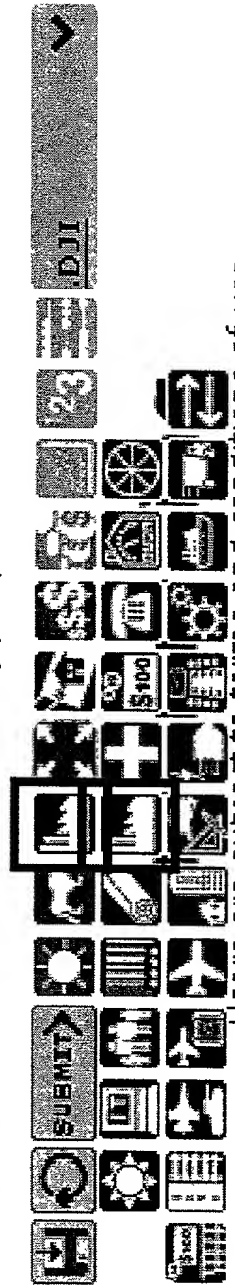
Navigation Bar Selections - Pattern, Pattern Type

Pattern: All
Allows user to view stocks that display a particular
price pattern behavior

Pattern Type: Local-Price
Allows user to view five categories of price movements

- **Local-price:** displays price patterns calculated with the local currency price of the stock.
- **Dollar-price:** displays price patterns calculated with the dollar equivalent price of the stock.
- **Price/Country-Index:** displays price patterns calculated with the stock price divided by its MSCI country index to show relative price movements.
- **Price/World-Index:** displays price patterns calculated with the stock price divided by the MSCI world index to show relative price movements.
- **Price/Selected-Index:** displays price patterns calculated with the stock price divided by the Index selected in the Navigation Bar to show relative price movement. This display does not apply to personal or Bullrun portfolios.

FIG. 8

Navigation Bar Selections - Market Capitalisations, Dividend Yield

[v1.0 Analyst Rating does not currently have any data.]

Market Caps: All
Allows user to select a market capitalization size perspective

Dividend Yield: All
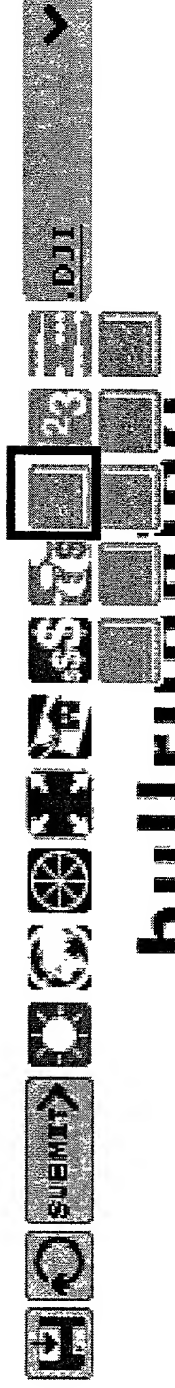Allows user to select a dividend yield size perspective

FIG. 9

Navigation Bar Selections - Earnings Growth, Analyst Ratings

[v1.0 Analyst Rating does not currently have any data.]

Earnings Growth: All

Allows user to select an earnings growth trajectory perspective

Analyst Rating: All

Allows user to select an analyst stock rating perspective

FIG. 10

Navigation Bar Selections - Weighting, Portfolio & Index Selection

Weighting : Number of Stocks

Allows user to view selections on either an aggregate number of stocks or a percentage basis perspective.

Portfolio & Index Selection : .DOW

Allows user to select a portfolio or index

Bullrun.com - Netscape

Available Portfolios or Indicies

Bullrunning Picks	Popular	MSCI Regional	MSCI Global Style	MSCI Global Sector	MSCI Country
Bullrun P1	DOW	World			Australia
Bull JPY	Nasdaq	EAFE			Austria
	Nasdaq 100				Belgium
	S&P 500	North American			Canada
	S&P 100	Europe			China
	FTSE 100	Pacific			Denmark
	DAX				Finland
	CAC-40	Europe ex-UK			France
	IBEX 30	Pacific ex-Japan			Germany
	MIB 30				Hong Kong
	BEL 20	World ex-Europe			India
	AEX	World ex-Japan			Indonesia
	SMI				Ireland
Personal Portfolios	NIKKEI 225				Italy
	TOPIX	MSCI Global Style			Japan
test	HANG SENG	World Index Growth			Korea
Global	ASX ALL ORDS	World Index Value			Malaysia
david	SINGAPORE STRAITS				Netherlands
					New Zealand
					Norway
					Pakistan
			MSCI Global Sector		Philippines
			World Energy		Singapore
			World Materials		Spain
			World Industrials		Sri Lanka
			World Cons. Disc.		Sweden
			World Cons. Stap.		Switzerland
			World Health Care		Taiwan
			World Financials		Thailand
			World Info. Tech.		United Kingdom
			World Telecomms		USA
			World Utilities		

FIG. 11

Search Box

Allows user to search for an equity by company

return to previous screen view

FIG. 12

Search Box

Allows user to search for an equity by stock ticker

Search for

by company

by ticker

ms

BULLRUN ™

SUBMIT

Dividend Yield

Users are subject to terms and conditions of use

Sectors

Cons. Discretn	Cons. Staples
239	99

Energy	Financials
37	198

Health Care	Industrials
73	271

Info Tech	Materials
132	149

Telecoms	Utilities
35	61

Region

North America	Asia	Europe	Australasia
396	333	500	65

MSCI WId

News List
1. Perkin Elmer Promotes John Engel to Executive Vice President
2. MobileM Introduces Universal Instant Messaging for Handheld Mobile Devices

PATTERNS
local-price

Bomb	Rocket
109	153

Stumbler	Jumper
25	16

Sinker	Climber
98	135

Mountain	Valley
43	23

Slider	Glider
52	152

Lowhook	Highhook
20	7

ALL	No Pattern
	462

Total 1294

Timescale: 15 days

16:55

MEDIASET
MSM as of 08:44 AM

Consumer Discretionary   Media   Italy

EUR 11.57   USD 9.94

Mkt Cap $ (B)		Average Volume (000)
11.76		5 654
	Volume (000)	
	1,227	
Beta Local		Beta World
1.66		1.38
Forward EPS Growth		Forward P/E
14.1 %		2.3
	Beta Local	
	1.02	
	Fwd Yld P/E	
	32.5	
Ytd Rel $		Dividend Yield
-13.7 %		1.2 %
	Ytd Rel World	
	-8.9 %	

Values of last updated DAY

local-price   local-price   local-price

Search
Score	Ticker	Stock Name
0.0	MS.MI	MEDIASET
0.0	MSBF	MSB FINANCIAL
4.0	MSBK	MAIN STREET BKS
0.0	MSBR	MS BARRIERS
4.0	MSCC	MICROSEMI CP
0.0	MSEL	MERISEL INC
2.0	MSEX	MIDDLESEX WATER
0.0	MSFT	MICROSOFT CP
0.0	MSGI	MARKETING SVCS
-6.0	MSHL	MARSHALL MORNING STAR
0.0	MSIX	MINING SVCS
0.0	MSLV	METASOLV SOFTW
0.0	MSON	MISONIX INC
0.0	MSPR	MAINSPRING POINT
-3.0	MSSN	MISSION RSCS

return to previous screen view

FIG. 13

News

News

Displays relevant news based upon the user's current selected icons

News List
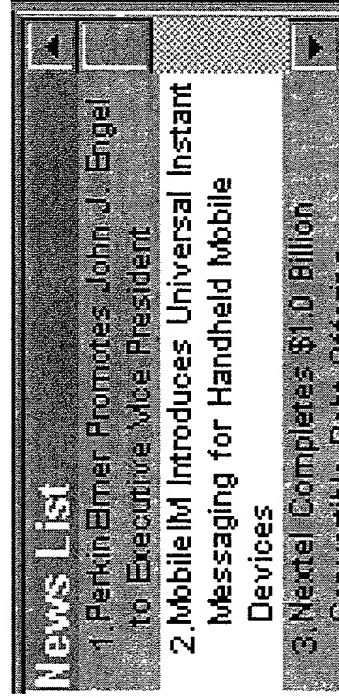
1. Perkin Elmer Promotes John J. Engel to Executive Vice President

2. Mobile IM Introduces Universal Instant Messaging for Handheld Mobile Devices

3. Nextel Completes $1.0 Billion

FIG. 14

Region / Country Panel

Displays the number of stocks in a Region or Country and allows user to drill down for further detail.

FIG. 15

Sector/Industry Panel

Displays the number of stocks in a Sector or Industry and allows user to drill down for further detail.

FIG. 16

Price Pattern Panel

Displays the number of stocks that correspond to a price pattern based on a selected timescale. Allows the user to view a group of stocks that exhibit a particular price pattern.

There are 12 mutually exclusive price patterns. There is also a No Pattern category.

Pattern Type - see Navigation Bar

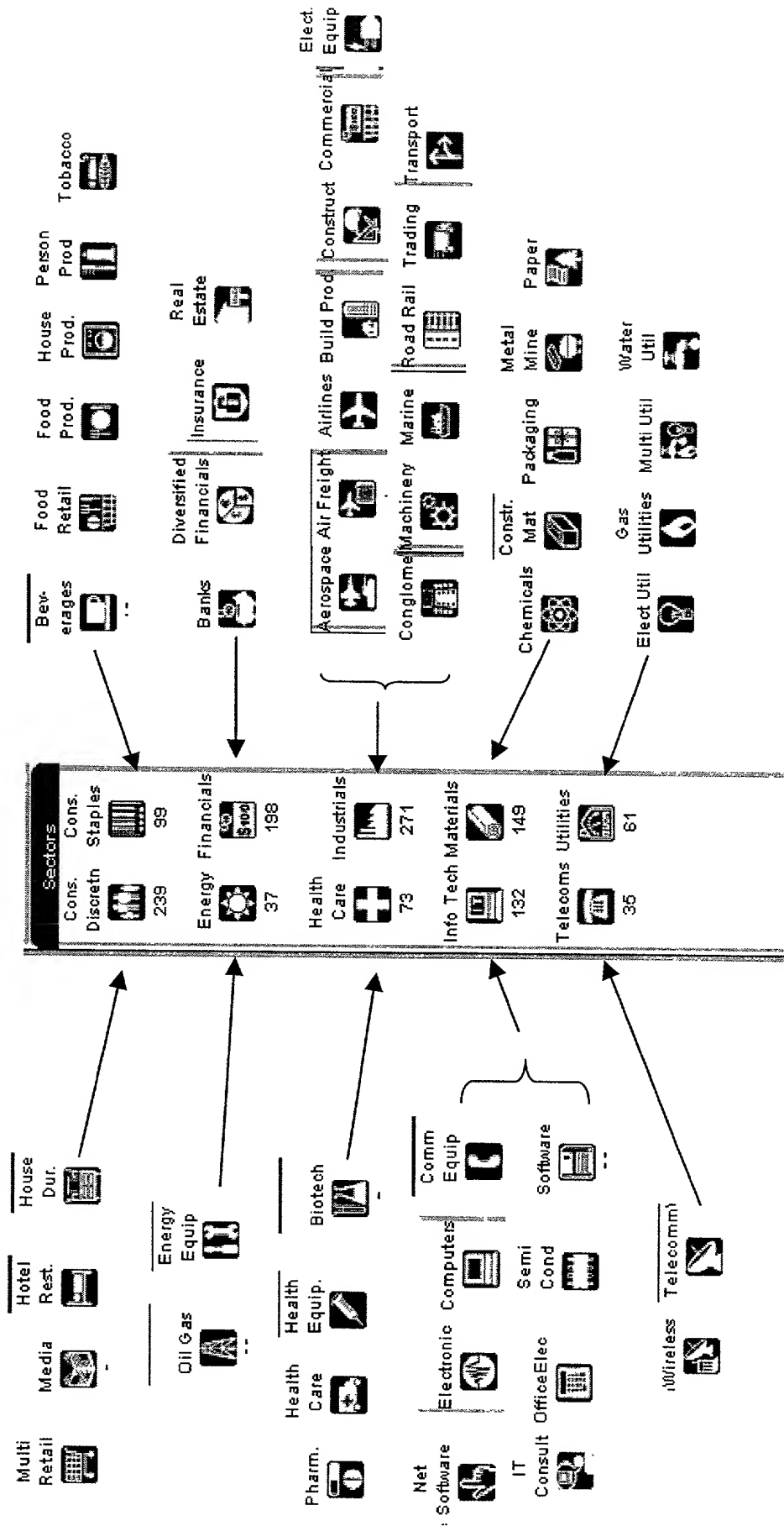**Rocket** - Stock that has spent most of the period at the bottom of its price volatility range but its last price puts it in the top of the range.

Jumper - Stock that began the period at the middle of its volatility range then fell to the bottom of the range and rose until the last price put it at the top of the range.

Climber - Stock that began the period at the bottom of its volatility range and then moved up through the range until the last price has put it at the top of the range.

Valley - Stock that began the period at the top of its volatility range then fell to the bottom of the range until the last price put it back again at the top of the range.

Glider - Stock that began the period at the bottom of its volatility range then moved quickly to the top of the range and stayed there.

Highhook - Stock that began the period at the top of its volatility range then fell to the bottom of the range and rose until its last price put it in the middle of the range.

No discernable pattern

Bomb - Stock that has spent most of the period at the top of its volatility range but its last price puts it in the bottom of the range.

Stumbler - Stock that began the period at the middle of its volatility range then rose to the top of the range and fell until the last price put it at the bottom of the range.

Sinker - Stock that began the period at the top of its volatility range and then moved down through the range until the last price has put it at the bottom of the range.

Mountain - Stock that began the period at the bottom of its volatility range then rose to the top of the range until the last price put it back again at the bottom of the range.

Slider - Stock that began the period at the top of its volatility range then fell to the bottom of the range and stayed there.

Lowhook - Stock that began the period at the bottom of its volatility range then rose to the top of the range and fell until its last price put it in the middle of the range.

All patterns

PATTERNS
local price

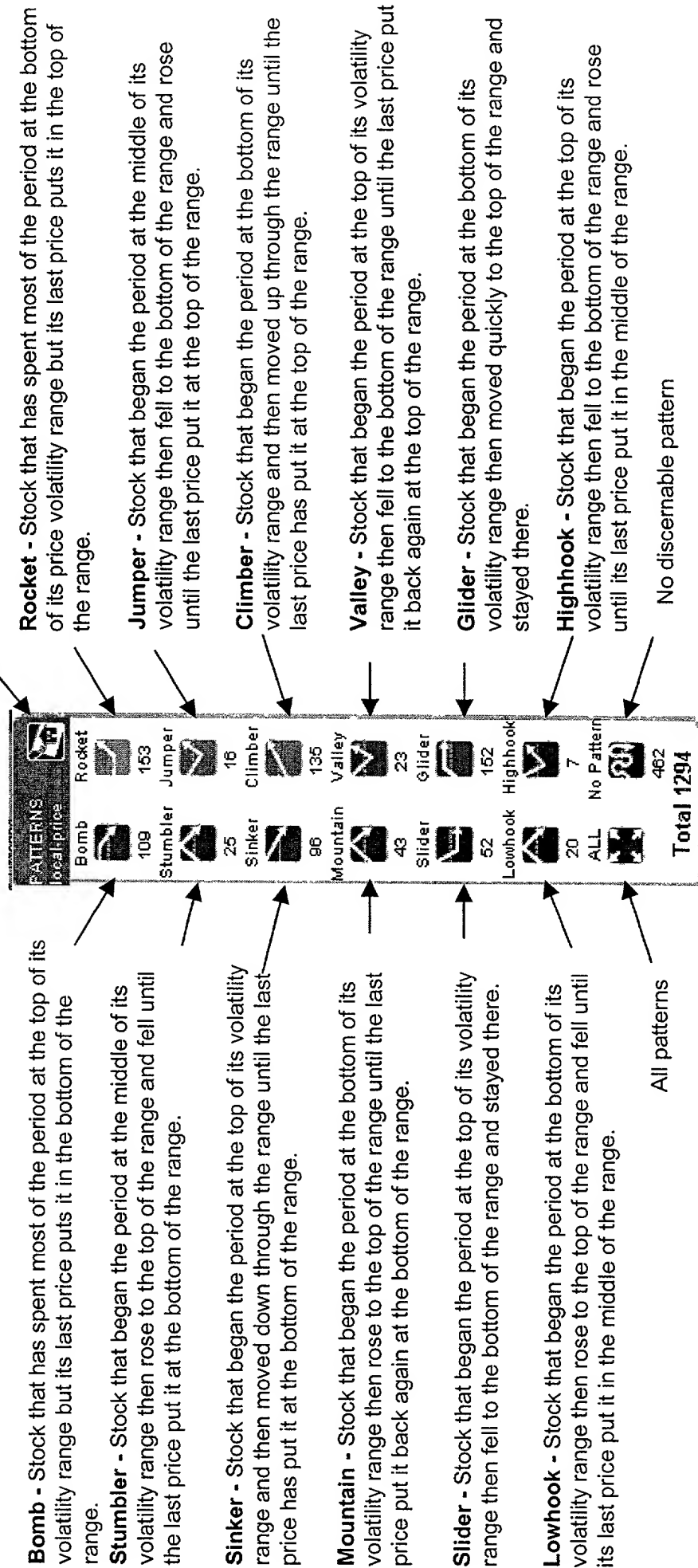| Bomb | Rocket |
109	153
Stumbler	Jumper
25	16
Sinker	Climber
98	135
Mountain	Valley
43	23
Slider	Glider
52	152
Lowhook	Highhook
20	7
ALL	No Pattern
	462

Total 1294

FIG. 17

Timescale Box

[v1.0 has a 15 minutes, 15 hour, 15 day, 15 week timescale.]

Displays the selected timescale the user has selected - whether 1 hour, 1 day, 1 month, or 1 quarter.

Also shows the date and time of the data on the screen. Hit SUBMIT button in the Navigation Bar to refresh data.

1 hour

1 day

1 month

1 quarter

Timescale:
15 days
11:41
6/6/2001

FIG. 18

Stock List

[v1.0 will only include Price Pattern strategy and will not include Stock List Ranking Buttons. Stock List Ticker search will also not yet be present.]

Displays list of stocks that correspond to users' chosen selection criteria.

Strategy Selected -
displays which strategy is selected and is generating stock scores

Scroll bar -
scrolls forwards and backwards among the stock list

Descriptive Icons -
Sector, Country, Price Pattern

Stock List Ticker Search -
searches the Stock List by ticker and scrolls to show the stock if it is present. As a convenience, the user's most recent stock selection will automatically be shown here.

Strategy Selection Icons -
allows user to rank stocks based on either Price Pattern, Macroeconomic Variables, or Combined Ranking strategies

Score -
displays ranking of stock on a scale from -6.0 to +6.0 based on a selected strategy

Ticker -
stock ticker

Stock Name -
name of stock

Stock List (1-15 of 1276)   combined ranking

Score	Ticker	Stock Name
6.0	0017.HK	NEW WORLD DEV
6.0	2282.T	NIP MEAT PACKERS
6.0	2897.T	NISSIN FOOD
6.0	4512.T	KUREHA CHEM IND
6.0	LE.AX	LEIGHTON HLDS
6.0	0018.HK	ORIENTAL PRESS
6.0	9364.T	KAMIGUMI
6.0	0010.HK	HANG LUNG DEV
6.0	8333.T	JOYO BANK
6.0	LIN.DE	LINDE AG
6.0	SOL.MC	SOL MELIA
6.0	MEO1V.HE	METSO
6.0	WBSV.VI	WIENERBERGER
6.0	DRC.MC	DRAGADOS CONST
6.0	SILIn.MI	SAI RN

Stock List Ranking Buttons:
In addition to ranking by strategy scores, the Stock List can be ranked according to the following criteria:
- Alphabetical by company name
- Percent change in local price over the selected timescale
- Percent change in dollar price over the selected timescale
- Capitalisation in billion $
- Dividend yield in percent
- 12 months forward earnings growth in percent
- 12 months forward P/E

FIG. 19

Stock Detail Box

Displays detailed information on selected stock.

Time Stamp -
shows time of data available on screen. Hit SUBMIT button in Navigation Bar to refresh data.

Currency

Price Pattern

Stock Price

Country

Trade -
allows user to place a trade on the stock detailed. See Trading Screen. In order to place a trade, you must first have a portfolio created. See My Trades.

Stock Name

Ticker

Sector

Industry

View in My Picks -
adds stock detailed to one of user's portfolios. See My Picks.

| | | EUR | 11.57 | |
| | | USD | 9.35 | |

MEDIASET
MS.MI as of 08:44 AM

Consumer Discretionary — Media — Italy

	Volume (000)	Average Volume (000)
Mkt Cap $ (B)		
11.75	1,227	5,654
Beta Local	Beta Sector	Beta World
1.66	1.02	1.38
Forward EPS Growth	Forward P/E	Forward PEG
14.1 %	32.5	2.3
Ytd Ret $	Ytd Ret World	Dividend Yield
-13.7 %	-8.9 %	1.2 %

Values of last Updated DAY

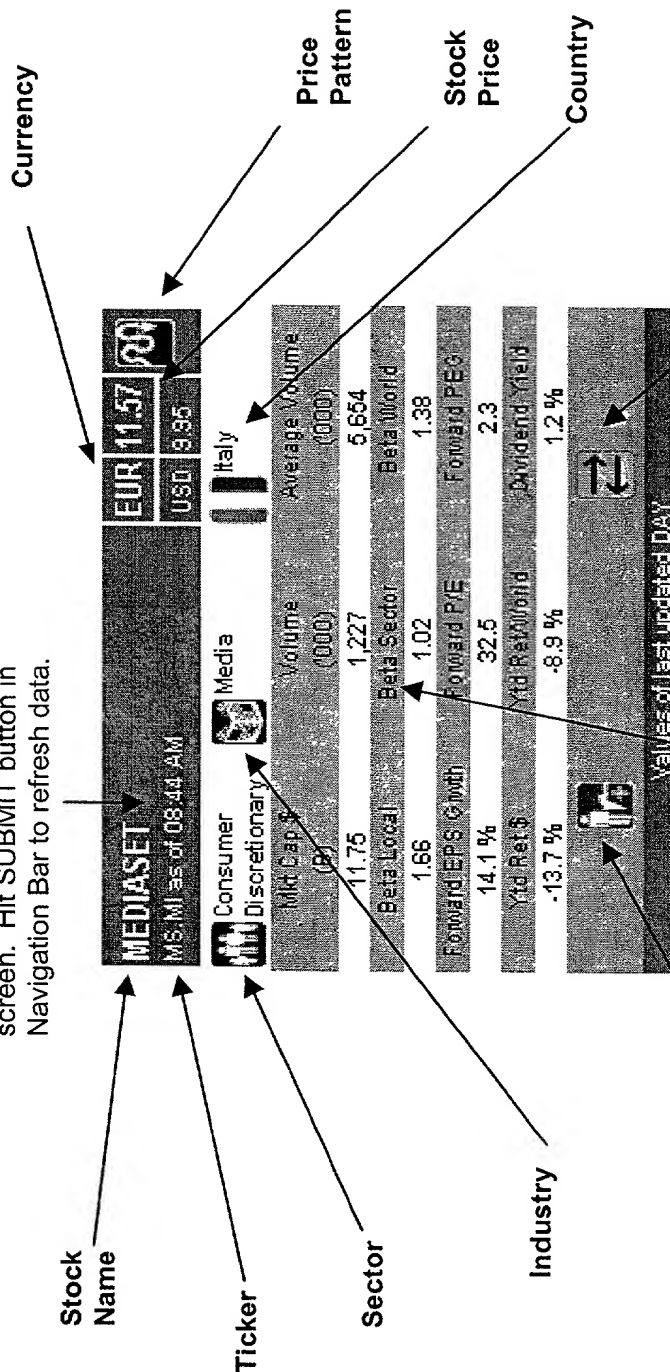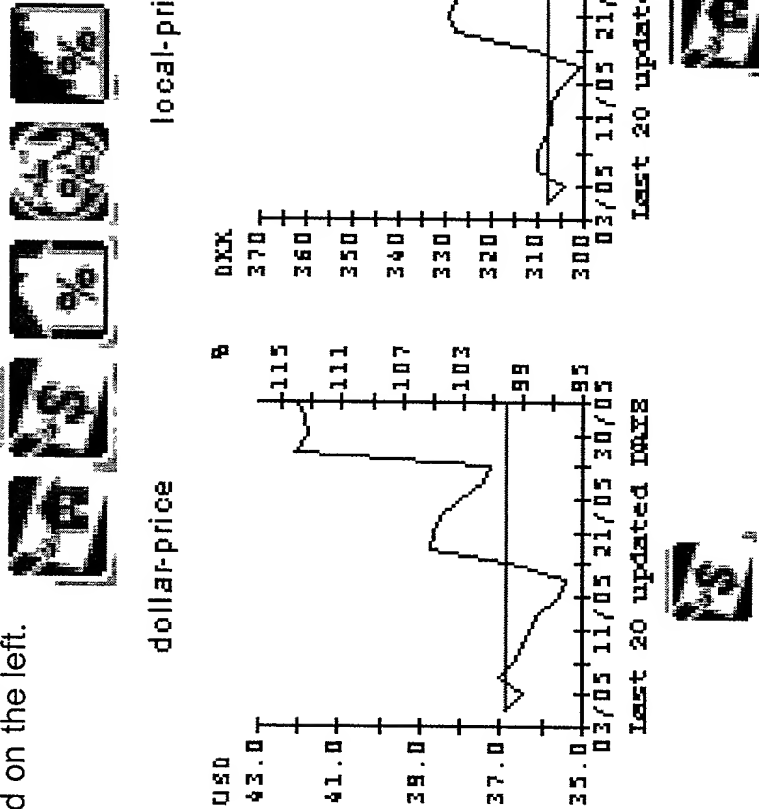Term definitions found in Glossary

FIG. 20

Stock Detail Box
Dollar and Local Price Charts

A local-price graph is always displayed on the right. A graph of one of the 5 Pattern Types from the Navigation Bar will be displayed on the left.

dollar-price

local-price

Dollar Price graph (left):
bottom scale: conforms to timescale set by user
left scale: price in dollars
right scale: percentage price set to 100 at beginning of period
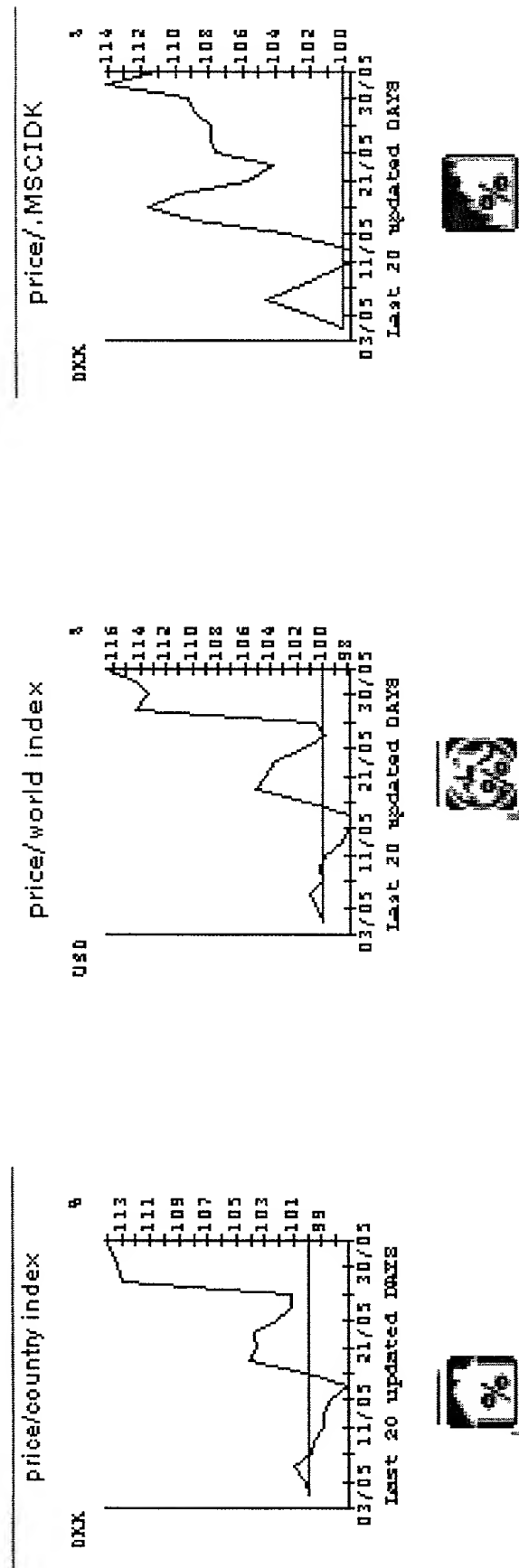red line: price at beginning of period

Local Price graph (right):
bottom scale: conforms to timescale set by user
left scale: price in local currency
right scale: percentage price set to 100 at beginning of period
red line: price at beginning of period

FIG. 21

Stock Detail Box
Relative Price Charts

The graphs below corresponding to the different Pattern Types would be displayed to the left of the local-price graph if the particular Pattern Type were selected from the Navigation Bar.

price/country index

price/world index

price/,MSCIDK

Price/Country graph (left):

bottom scale:	conforms to timescale set by user
right scale:	price/country index set to 100 at beginning of period
red line:	relative price at beginning of period

Price/World graph (centre):

bottom scale:	conforms to timescale set by user
right scale:	price/world index set to 100 at beginning of period
red line:	relative price at beginning of period

Price/Selected Index graph (right):

bottom scale:	conforms to timescale set by user
right scale:	price/selected index set to 100 at beginning of period
red line:	relative price at beginning of period

Note: Selected index is the current index in use by Bullrun. An index is selected by 'Select Portfolio or Index' icon on the Navigation Bar. This display does not apply to personal or Bullrun porfolios.

FIG. 22

Screens Bar

1. **Big Picture** (default screen) - shows how any index or portfolio is evolving over a given timeframe.

2. **Best and Worst** - shows which stocks are performing extremely well or poorly in an index or portfolio.

3. **Fan Out** - displays a basket of similar stocks for a selected equity.

4. **Differences** - compares performance across different indices or portfolios.

5. **My Picks** - displays buy and sell recommendations to stocks in a user's portfolios, based on a given investment strategy.

6. **Bullrun Picks** - displays the system's recommended stocks for a given strategy.

7. **My Trades** - keeps a record of buy and sell orders passed through the programme.

8. **Registration Information** - allows the user to modify registration information.

FIG. 23

Big Picture

Big Picture presents a global picture with an index broken into sectors, regions, and price patterns. The user can rank and parse all the stocks in an index or portfolio. The user can answer questions such as, for the NASDAQ 100, how many stocks are in each different price pattern based on a 1 month timescale? How many are Rockets and in which sector are they?

FIG. 24

Best and Worst

Best and Worst shows the highest and lowest scores for any category of stocks. For example, in the Stoxx Euro 100, which are the best buys and worst sells across the whole index over the past 1 hour? Which are the best and worst performing banks? In Best and Worst, the user is guided directly to centre of current market action.

Best
Performing

Worst
Performing
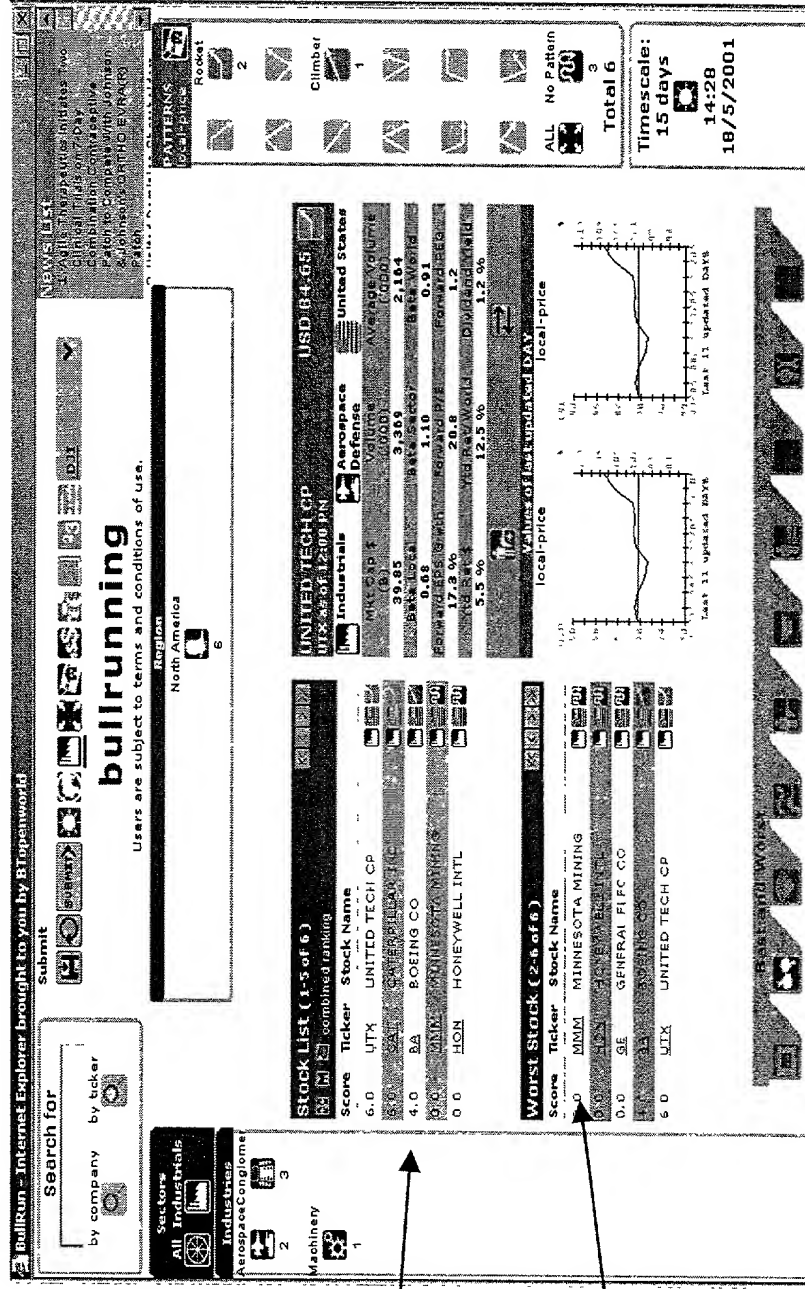
FIG. 25

Fan Out

Fan Out lists the stocks in an index or portfolio so that when a stock is picked, a basket of related choices is shown for that stock. The emphasis is on 'which others can I choose?' For example, in the Dow Index, if International Paper is picked, a basket appears showing US paper companies ranked best to worst. International Paper's position is shown within the basket. The user has an instant display of alternatives to any stock and the current ranking of that stock in the comparative baskets.
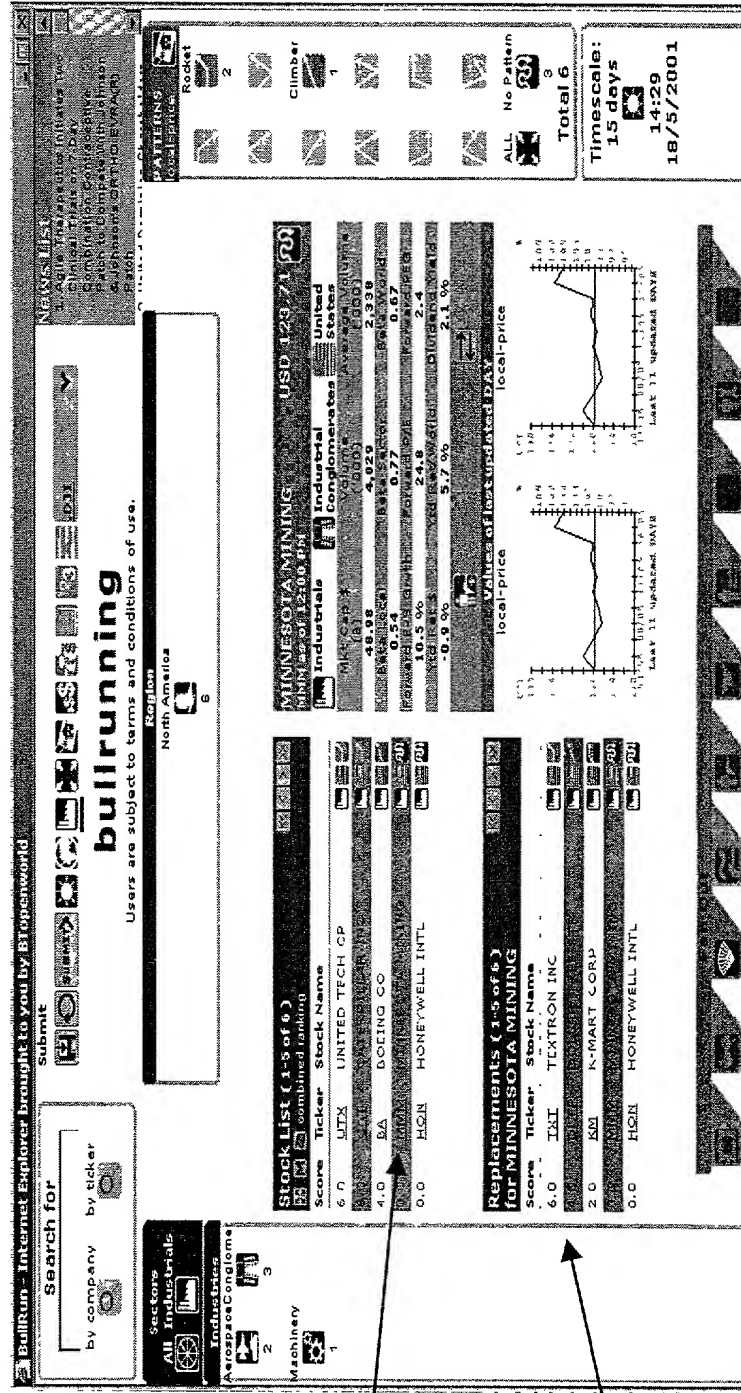
Selected
Stock

Alternatives

FIG. 26

Differences

Differences allows you to compare the stocks in one portfolio or index with those of another. For example, how are stocks in the FTSE 100 performing compare to the DAX 200? What are the best performing stocks in my portfolio compared to the MSCI World Index?

Select comparison portfolio or index
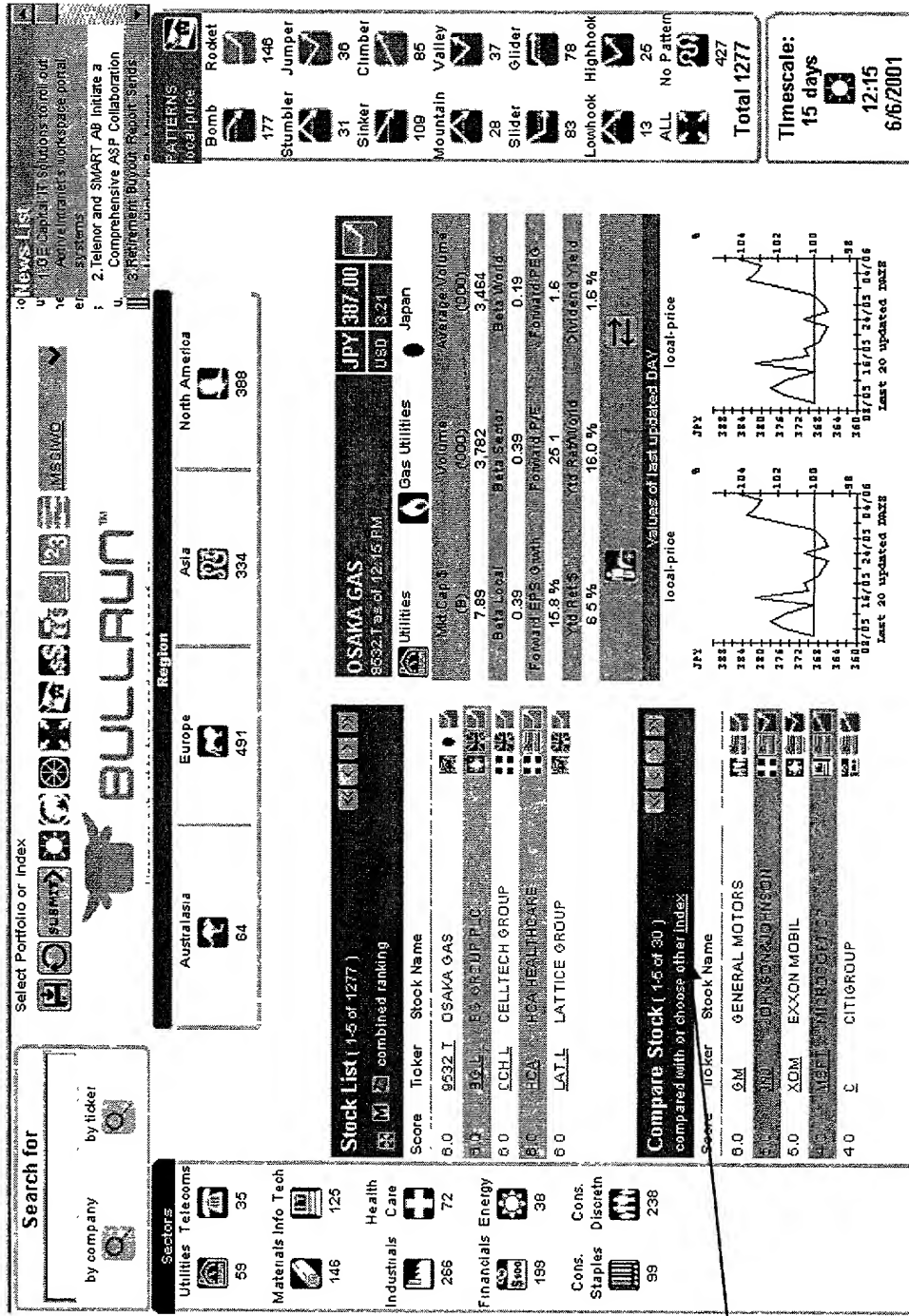
FIG. 27

MyPicks

[v1.0 only includes the price pattern strategy. E-mail notification is not yet implemented.]

My Picks allows the user to choose to receive e-mail notifications of buy/sell signals from the different strategies (Price Pattern, Macroeconimic Variables, or Combined) for all of the stocks currently in the system. It also allows the user to track the performance of buy and sell signals for a stock based on a particular investment strategy. For example, for a user following a price pattern strategy, which financial services stock had the best performance over the past 6 months?

Number of Trades - number of trades suggested by following Bullrun's buy/sell signals.

Green Triangle = BUY

Red Square = SELL

Add/Delete from My Picks

Buy & Hold Performance - percentage gain by buying a stock at the beginning of the time period.

Stock History Graph - displays historical chart of Bullrun buy/sell signals. Stock chart is shown as price/MSCI World Index.

My Picks List

Buy or Sell signal

Bullrun Performance - percentage gain by following Bullrun's buy/sell signals

FIG. 28

PATTERNS

Bomb   Rocket 149
177 Stumbler   Jumper
31 Sinker   30 Climber
192 Mountain   85 Valley
28 Slider   37 Glider
83 Lowhook   78 Highhook
13 ALL   25 No Pattern
427

Total 1277

Timescale: 15 days

12:28 6/6/2001

BULLRUN

Region

North America 388   Asia 334   Europe 491   Australasia 64

MSCI WID

Search for
by company   by ticker

Sectors
Cons. Discretn 238   Cons. Staples 99
Energy 38   Financials 199
Health Care 72   Industrials 286
Info Tech 125   Materials 146
Teleoms 35   Utilities 59

Stock List [1-5 of 1277]
combined ranking

Score	Ticker	Stock Name
6.0	9532.T	OSAKA GAS
6.0	BG.L	BG GROUP PLC
6.0	CCH.L	CELLTECH GROUP
6.0	TNA	TENET HEALTHCARE
6.0	LAT.L	LATTICE GROUP

My Picks Stock (1-1 of 1)

Dir	Ticker	Stock Name
	BG.L	BG GROUP PLC

BG GROUP PLC
BG.L

Energy   Oil Gas   UK
GBP 2.81
USD 3.94

Mkt Cap ($ ...) 13,347
Value ($ ...) 5,319   B/P Sector Bid/World
Return ... 0.04   P/E Sector 0.04
Forward EPS Growth 22.5
EPS Growth 16.2 %   Forward P/E 22.5
Y/E Return 4.2 %   Yield Sector/World 2.9
  Dividend Yield 2.9 %
Buy&Hold Perf coming soon
Bullrun Perf coming soon   No. Trades coming soon
Stock History : Price Pattern Strategy

Trade/World Index
▲ = BUY ■ = SELL

Bullrun Picks

[v1.0 Bullrun Picks applies only a Price Pattern Strategy to the MSCI World Index.]

Bullrun Picks will show recommended portfolios that reflect each of the three strategies (Price Pattern, Macroeconomic Variable, Combined) applied to the MSCI World Index, the 10 MSCI Global Sectors, the S&P 500, NASDAQ, Europe Stoxx and Topix. For example, which MSCI World Info. Tech stocks should I be long or short?

All positions/
Active positions

Holdings

Trades

Portfolio
List

FIG. 29

My Trades

[v1.0 Portfolio uploads from Excel are not yet available.]
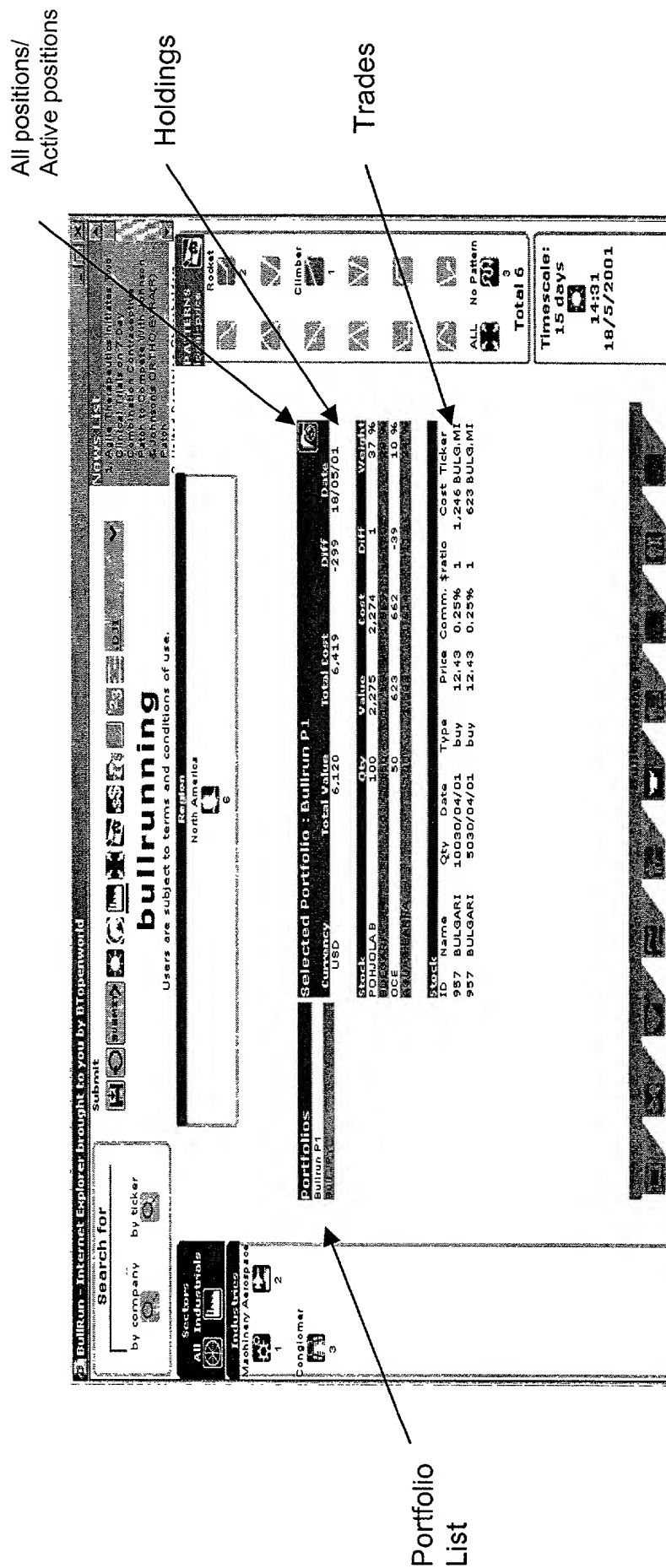
My Trades keeps a record of buy and sell orders passed through the programme. Performance of the client's portfolios can be calculated and displayed. A user creates and manages portfolios here and will be able to upload his own portfolios directly into the system from an Excel spreadsheet.
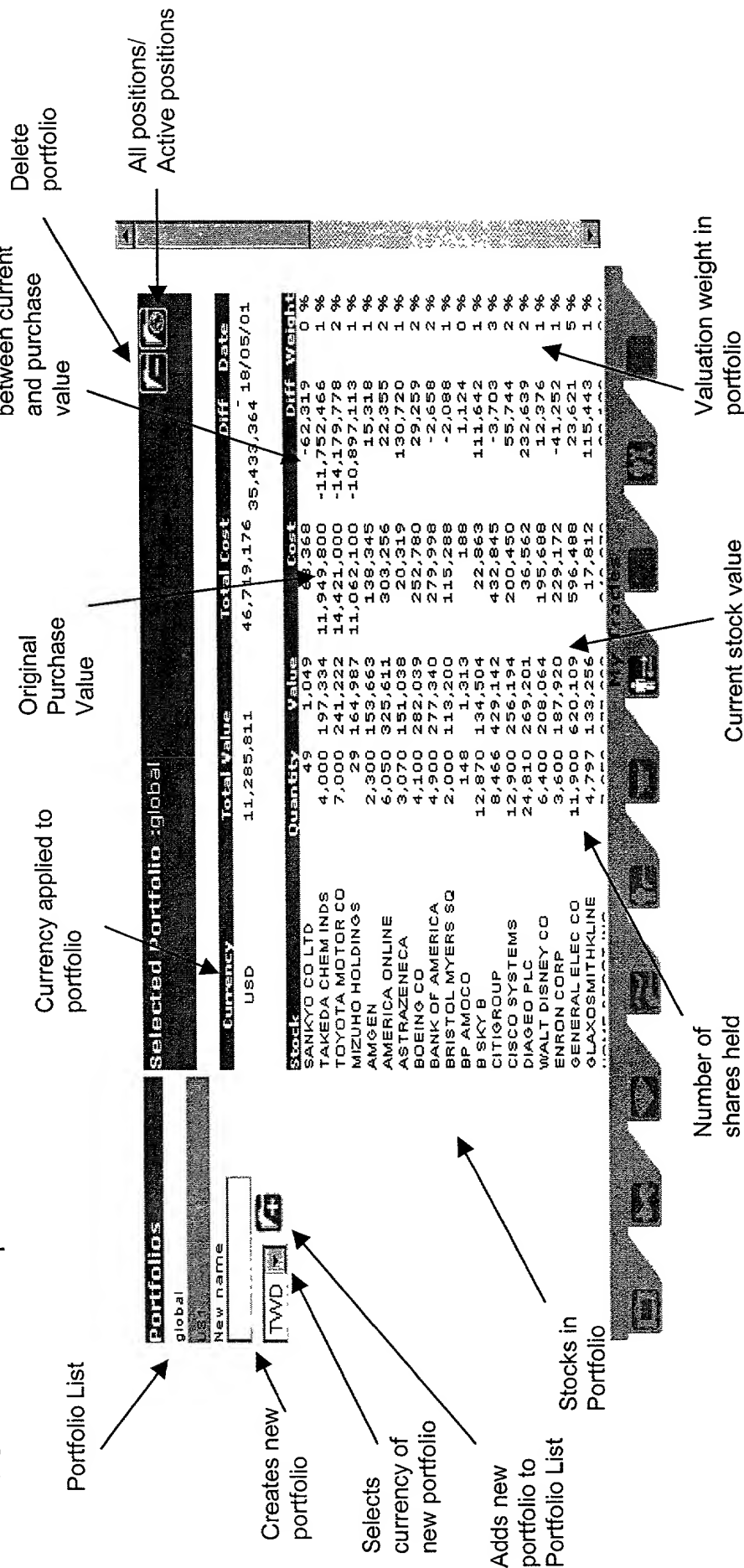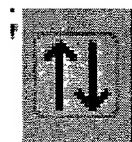
Labels: Portfolio List · Creates new portfolio · Selects currency of new portfolio · Adds new portfolio to Portfolio List · Stocks in Portfolio · Number of shares held · Current stock value · Valuation weight in portfolio · All positions/Active positions · Delete portfolio · Difference between current and purchase value · Original Purchase Value · Currency applied to portfolio

Portfolios: global, USA, New name, TWD

Selected Portfolio :global

Currency	Total Value	Total Cost	Diff	Date
USD	11,285,811	46,719,176	35,433,364	18/05/01

Stock	Quantity	Value	Cost	Diff	Weight
SANKYO CO LTD	49	1,049	63,368	-62,319	0 %
TAKEDA CHEM INDS	4,000	197,334	11,949,800	-11,752,466	1 %
TOYOTA MOTOR CO	7,000	241,222	14,421,000	-14,179,778	2 %
MIZUHO HOLDINGS	29	164,987	11,062,100	-10,897,113	1 %
AMGEN	2,300	153,663	138,345	15,318	1 %
AMERICA ONLINE	6,050	325,611	303,256	22,355	2 %
ASTRAZENECA	3,070	151,038	20,319	130,720	1 %
BOEING CO	4,100	282,039	252,780	29,259	2 %
BANK OF AMERICA	4,900	277,340	279,998	-2,658	2 %
BRISTOL MYERS SQ	2,000	113,200	115,288	-2,088	1 %
BP AMOCO	148	1,313	188	1,124	0 %
B SKY B	12,870	134,504	22,863	111,642	1 %
CITIGROUP	8,466	429,142	432,845	-3,703	3 %
CISCO SYSTEMS	12,900	256,194	200,450	55,744	2 %
DIAGEO PLC	24,810	269,201	36,562	232,639	2 %
WALT DISNEY CO	6,400	208,064	195,688	12,376	1 %
ENRON CORP	3,600	187,920	229,172	-41,252	1 %
GENERAL ELEC CO	11,900	620,109	596,488	23,621	5 %
GLAXOSMITHKLINE	4,797	133,256	17,812	115,443	1 %

FIG. 30

Trading Screen

This screen is accessed by clicking on the Trade button in the Stock Detail Box.

Trade Information

portfolio	global
action	BUY
quantity	0
price	66.81
commission	0.25 %
Date	2001-05-18 14:37:47.0

Select Portfolio

Buy or sell

Execute trade

Quantity

Current price in local currency

Broker commission

Current date

FIG. 31

Registration Information

Registration information allows you to update details from the Registration process.

FIG. 32